## Learning Pathways

The **Learning Pathways** are designed to provide guidance to individuals interested in specific areas of study. These pathways provide easy access to related learning materials in an order designed for optimal learning efficiency:

- Fire Behavior
- Fire Effects
- Fire Regimes
- Spatial Analysis
- Vegetation Dynamics
- Integration

Help Desk

Agency and non-government organizations as well as individuals can contact the **FFE Helpdesk** with questions on tools and courses, LANDFIRE, and FRCC: ffe-helpdesk@frames.gov

Helpdesk discussion forums are at www.frames.gov/myframes/forum/
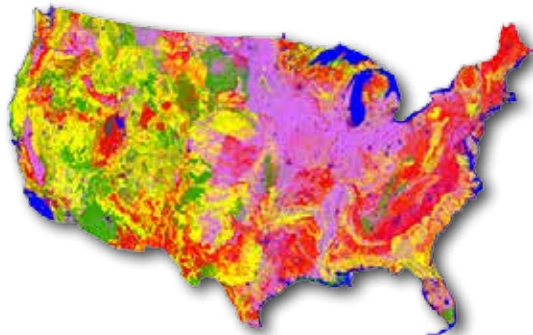
Workshops and Webinars

WFMRDA FFE offers classroom workshops and webinars. Commonly, WFMRDA FFE workshops are held in conjunction with other regional workshops and conferences. Customized workshops and webinars can be organized to address local needs. Contact the **WFMRDA FFE Helpdesk** to schedule a classroom workshop or webinar.

For tools, courses, and more information, please visit:

www.frames.gov/wfmrda-ffe

Contact: ffe-helpdesk@frames.gov

Sponsors:
- Interagency Fuels Management Committee
- LANDFIRE
- USFS WO Landscapes and Partnerships Program

Partners:
- Fire Modeling Institute
- The Nature Conservancy
- FRAMES

Outdoor Photos by: Karen Wattenmaker   Workshop Photos by: Morgan Pence

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Wildland Fire Management RD&A Fuels and Fire Ecology

WFMRDA FFE
(formerly NIFTT)

www.frames.gov/wfmrda-ffe

www.wfmrda.nwcg.gov

Integrating science, technology and fire management.

Wildland Fire Management RD&A

WFMRDA FFE Mission

To assist land managers with implementing effective fuels, fire, and vegetation analysis technology for addressing risks related to severe fire behavior and fire effects, and to restore healthy ecological systems.

Tools

Access all **WFMRDA FFE Tools** through www.frames.gov/wfmrda-ffe under the Tools menu. Find the **Various Resources** that accompany each tool, such as user guides, videos, and tutorials. WFMRDA FFE tools are constantly upgraded, so be sure to check the WFMRDA FFE website regularly for updates on the latest technology.

LANDFIRE Data Access Tool (LFDAT)	Allows users to download and display LANDFIRE data directly in ArcMap
Area Change Tool (ACT)	Edits ArcGrids to refine existing data, or makes changes to existing data based upon disturbances and/or potential management treatments
LANDFIRE Total Fuel Change Tool (LFTFC)	Facilitates editing LANDFIRE rule sets to create customized surface and canopy fuel layers for local applications
Wildland Fire Assessment Tool (WFAT)	Integrates ArcMap, FlamMap, and FOFEM for generating fire behavior and fire effects outputs
FRCC Software Application (FRCCSA)	Non-spatial application for deriving and graphing Fire Regime Condition Class
FRCC Mapping Tool (FRCCMT)	Spatially depicts various layers associated with Fire Regime Condition Class

Courses

At www.frames.gov/wfmrda-ffe you can learn about and register for **FFE Online Training Courses** under the Training menu. Below is a list of those currently offered as well as some of the courses scheduled for the near future. Check the website regularly to learn about new courses as they are developed.

Available Courses:

LANDFIRE - A course to familiarize users with the LANDFIRE Project.

FRCC - provides the background information necessary for understanding FRCC assessments.

FRCCMT - introduces user to the FRCC mapping tool and its operation.

WFAT - will familiarize you with the Willdland Fire Assessment Tool background, function, and application potential.

LFTFCT - The LANDFIRE Total Fuel Change Tool is a system for editing or updating LANDFIRE fuel attributes to better describe fire behavior.

FBFM40 - An overview of the 40 Fire Behavior Fuel Models and the process for selecting appropriate fuel models.

Nomographs - A companion course to the FBFM40 that describes the history of nomographs and new format for estimating fire behavior.

FCCS -provides essential information on FCCS and the use of the FCCS software.

FLM - is a new classification system for predicting fire effects from on-site surface fuel.

LANDFIRE: Predicting Veg Change - An overview of common approaches to predicting vegetation change at the landscape level.

LANDFIRE: Vegetation Dynamic Models - provides an introduction to the models, including the process and rules used to create them.